

**Pennsylvania Department of Environmental Protection**

**105 Grant Work Plan for Year 1 of FY 2011 – 2013**

**Grant Work Plan Closeout**

**FY 2011 – Year 1**

Pennsylvania DEP		
Sub-Objectives:	Work Plan Components:	Measures
Goal: 1 Clean Air & Global Climate Change – Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced. Reduce greenhouse gases intensity by enhancing partnerships with businesses and other sectors.	NAAQS/Air Toxics Reduce Diesel Emissions EPA Contact(s): Carol Febo, Bill Jones State Contact(s): Arleen Shulman, Chris Trosse	PRC: 101A04E Outputs for FY 11/13 Committments for 2011 Funding
Sub-Objectives: 1.1.1 - More People Breathing Cleaner Air, 1.1.2 - Reduced Risk from Toxic Air Pollutants, 1.5.3 Reduce GHG Transportation Sector.	Work Plan Components: Clean Diesel Activities EPA Contact(s): Carol Febo, Bill Jones State Contact(s): Arleen Shulman, Chris Trosse	Status/Comment
By 2011, through the National Clean Diesel Initiative, reduce emissions of fine particles from diesel engines by 50,000 tons from the 2000 baseline. The approach includes EPA's transportation programs, prevent 13 projects, and/or Supplemental Environmental Projects (SEPs). When preparing the deliverables please use the format provided by EPA and EPA's Diesel Emission Quantifier to calculate emission reductions. Do not report on grants awarded under either DERA or the ARRA (Recovery). Grants in this deliverable of the 105 grant.	Activities/Deliverables: 1. Submit the specifics of any new or status of ongoing projects to reduce diesel emissions. Examples are State/local projects; privately funded projects; and/or Supplemental Environmental Projects (SEPs). When Deliverable received from Dean Van Orden on 3/31/11. Van Orden on 3/31/11.	Through EPA's transportation programs, prevent 13 projects annually in 2002, in addition to the 2 MTCCE prevented annually in 2012, in addition to the 2 MTCCE demonstrate advanced vehicle and engine combustion, or variable displacement engines.
Deliverable received from Dean Van Orden on 9/30/11.	2. Continue to actively support the Mid Atlantic Diesel Collaborative. On March 31 and September 30, 2011, please submit a description of the Commonwealth's efforts regarding these activities via email to Carol Febo and Bill Jones. PA DEP continues to actively support the MADC.	PA DEP continues to actively demonstrate advanced vehicle and engine combustion, or variable displacement engines.

## PENNSYLVANIA - DEP

**Goal: 1 Clean Air & Global Climate Change** – Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced. Reduce green house gas intensity by enhancing partnerships with business and other sectors.

**Objective 1.5: Climate Change:** Through EPA's voluntary climate protection programs, contribute 80 million metric tons of carbon equivalent (MMTCE) annually to the President's 18% greenhouse gas (GHG) intensity goal by 2012. (An additional 24 MMTCE to result from the sustained growth in the climate programs are reflected in the Administration's Business-as-Usual projection for GHG intensity improvement.)

**Sub-Objective(s) 1.5.1 Buildings Sector, 1.5.2 Industrial Sector, 1.5.3 Transportation Sector**

Work Plan Component: Energy NAAQS/GHG Climate Change	EPA Contact (s): Carol Febbo/Megan Goold State Contact (s): Arleen Shulman, Randy Bordner	PRC: 101A04E
Measures	Outputs for FY 11/13 Commitments for 2011 Funding	Status/Comment
<p><b>Building Sector.</b> Through EPA's ENERGY STAR® program, prevent 26 MMTCE in the buildings sector in 2012, in addition to the 20 MMTCE prevented annually in 2002.</p> <p><b>Industrial Sector.</b> Through EPA's industrial sector programs, prevent 64 MMTCE in 2012, in addition to the 34 MMTCE prevented annually in 2002.</p> <p><b>Transportation Sector.</b> Through EPA's transportation programs, prevent 13 MMTCE in 2012, in addition to the 2 MMTCE prevented annually in 2002.</p> <p>Reduce GHG emissions from projected levels by approximately 98 MMTCE per year through EPA partnerships with businesses, schools, state and local governments, and other organizations.</p>	<p>The Mid Atlantic State Climate Network is composed of Federal and State Air Quality and Energy/Climate Change contacts. The goal of the network is to provide the states with timely information from EPA Region 3 on federal policy and regulatory changes related to climate change, to create regular peer-exchange opportunities on State-level climate change activities, and to establish a forum for meaningful discussion and coordination.</p> <p><b>Activities/Deliverables:</b> Support the Mid Atlantic Climate Network by participating in scheduled quarterly conference calls.</p> <p><b>Deliverables:</b> On March 31 and September 30, 2011, please submit to Carol Febbo and Megan Goold via e-mail a description of the Commonwealth's efforts regarding this activity.</p>	<p>Deliverable received from Dean Van Orden on 3/30/11.</p> <p>Deliverable received from Dean Van Orden on 10/7/11.</p>

<p><b>Goal: 1 Clean Air &amp; Global Climate Change – Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced.</b></p> <p><b>Objective: I.1 - Healthier Outdoor Air – Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from toxic pollutants.</b></p> <p><b>Sub-Objective 1.1.2: Reduced Risk from Toxic Air Pollutants.</b></p> <p><b>Work Plan Component: Air Toxics Implementation</b></p> <p>EPA Contact(s): Cathleen Kennedy, Ray Chalmers State Contact(s): Krishnan Ramamurthy, Ronald Gray</p> <p><b>PRC: 101A04E</b></p> <p><b>Measures</b></p> <p>Outputs for FY 2011/2013</p> <p>Commitments for FY 2011 Funding</p> <p>Status/Comment</p>

## PENNSYLVANIA - DEP

## PENNSYLVANIA - DEP

<p><b>Goal: 1 Clean Air &amp; Global Climate Change – Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced.</b>          Reduce green house gas intensity by enhancing partnerships with business and other sectors.</p> <p><b>Objective: 1.1 - Healthier Outdoor Air –</b> Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from air toxic pollutants.</p> <p><b>Sub-Objective(s): 1.1.1 - More People Breathing Cleaner Air</b></p>		
Work Plan Component: Planning & Regulation Development - NAAQS - NSR	EPA Contact (s): Kathleen Anderson State Contact (s): Virendra Trivedi, Krishnan Ramamurthy	PRC: 101A04E
Measures	Outputs for FY 2011/2013 Commitments for FY 2011 Funding	Status/Comment
Complete state and federal activity as necessary on NSR SIPs.  Issue NSR permits consistent with CAA requirements and enter BACT/LAER determinations in the RBLC.	<p><b>Deliverables:</b></p> <ol style="list-style-type: none"> <li>1. Submit a draft NSR rule SIP revision, if necessary, for ozone nonattainment areas affected by the proposed reclassification under subpart 2 of section 182 of the CAA within 6 months after EPA publishes a final rule.</li> <li>2. Submit a final NSR SIP for PM2.5 nonattainment areas by July 31, 2011.</li> </ol>	<ol style="list-style-type: none"> <li>1. Because EPA did not issue the necessary regulation in a timely fashion, this commitment was no longer required in FY2011.</li> <li>2. Submitted on 9/23/11.</li> </ol>

Pennsylvania - DEP			
Goal: 1 Clean Air & Global Climate Change - Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced.			
Objective: 1.1 - Healthier Outdoor Air - Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from air toxic pollutants.			
Sub-Objective(s): 1.1.1 - More People Breathing Cleaner Air	PRC: 101A04E	EPA Contact(s): Kathleen Anderson	NAAQS - NSR Permit Activity
Work Plan Component: Permitting	Outputs for FY 2011/2013	State Contact(s): Vandendra Tripathi, Krishnan Ramamurthy	Measure
Sub-Objective(s): 1.1.1 - More People Breathing Cleaner Air	PRC: 101A04E	EPA Contact(s): Kathleen Anderson	NAAQS - NSR Permit Activity
Work Plan Component: Permitting	Outputs for FY 2011/2013	State Contact(s): Vandendra Tripathi, Krishnan Ramamurthy	Measure
All expected activity completed.	Activities:	All NR permits consistent with CAA requirements and enter BACT/LAER determinations in the RBLIC.	Issue NR permits consistent with CAA requirements and enter BACT/LAER determinations in the RBLIC.
1. Following established procedures, report information/data into the R/L Clearinghouse on permitting activity. 2. Register and participate in any EPA training workshop(s) regarding NSR.			

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<b>Goal: 1 Clean Air &amp; Global Climate Change</b> – Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced. Reduce green house gas intensity by enhancing partnerships with business and other sectors.
<b>Objective: 1.1 - Healthier Outdoor Air</b> – Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from air toxic pollutants.
<b>Sub-Objective(s): 1.1.1 - More People Breathing Cleaner Air</b> - By 2015, reduce the population-weighted ambient concentration of ozone in all monitored counties by 14% from the 2003 baseline. By 2015, reduce the population-weighted ambient concentration of PM <sub>2.5</sub> in all monitored counties by 6% from the 2003 baseline.

Work Plan Component: Mobile Implementation: Ozone and PM NAAQS – I&M	EPA Contact(s): Brian Rehn State Contact(s): Arleen Shulman	PRC: 101A04E
Measures	Outputs for FY 2011/2013 Commitments for 2011 Funding	Status/Comment
<p>By 2011, reduce annual emissions of NO<sub>X</sub> from mobile sources by 3.7 million tons from the 2000 level of 11.8 million tons.</p> <p>By 2011, reduce annual emissions of volatile organic compounds from mobile sources by 1.9 million tons from the 2000 level of 7.7 million tons. By 2011, reduce annual emissions of fine particles from mobile sources by 134,700 tons from the 2000 level of 510,550 tons.</p>	<p><b>Deliverable:</b></p> <p><b>Annual I&amp;M Report:</b></p> <p>By July 31, 2011, submit an I/M annual report to Brian Rehn containing the statistics required by 40 CFR 51.366 test data, Q/A, Q/C, and enforcement for CY2010.</p>	<p>Deliverable submitted on August 3, 2011.</p>

Goal: 1 Clean Air & Global Climate Change - Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced. Reduce greenhouse gas intensity by enhancing partnerships with business and other sectors.		Pennsylvania - DEP	
Objectives:	Sub-Objective(s): 1.1 - Healthier Outdoor Air - Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from air toxic pollutants.	Work Plan Component/Program: Planning	PRC: 101A04E
Measures	Outputs for FY 2011/2013	Commitments for 2011 Funding	Status/Comment
1. Activity: Participate in SIP planning meetings with EPA Region 3 as scheduled.	1. Activity: Participate in SIP planning meetings with EPA Region 3 as scheduled.	By 2011, improve air quality across states covered by Clean Air Interstate Rule (CAIR) to levels where 92 of the 108 areas that did not meet the standards for 8-hour ozone (as of April 2005) achieve these health-based national standards.	By 2011, reduce annual emissions of nitrogen oxides (NO <sub>x</sub> ) from electric power generation sources by 1.7 million tons below 2003 levels across states covered by CAIR.
Control Technique Guidance (CTG) regulation development deliverables:	2. By April 30, 2011, provide proposed regulations for the reminder of the 2006/2007 CTGs. <sup>1,2</sup>	2. The work associated with this commitment has been carried over into the Grantee's work plan for FY2012.	By 2011, reduce annual emissions of NO <sub>x</sub> from mobile sources by 3.7 million tons from the 2000 level of 11.8 million tons.
1. All through PA DEP may specify a date later in the grant work plan for submittal of these mandatory CTG-based RACT regulations as SIP revisions, it does not relieve the Commonwealth of the consequences of not meeting the regulatory due date for submittal of a finding of failure to submit. PA DEP's current schedule for adoption of the 2006, 2007 and 2008 CTG-based regulations means the Commonwealth will be submitting final SIP revisions for these CTG-based RACT regulations beyond the last fiscal year of this grant which will end September 30, 2011. Therefore, the overdue CTG-based regulatory deliverables will be part of future 105 Grants' work plans.	3. By June 30, 2011, provide proposed regulations for the 2008 CTGs. <sup>1,2</sup>	3. The work associated with this commitment has been carried over into the Grantee's work plan for FY2012.	By 2011, reduce annual emissions of volatile organic compounds from mobile sources by 1.9 million tons from the 2000 level of 7.7 million tons.
2. When the Commonwealth takes its CTG (RACT) regulations out to notice and hearing for purposes of submitting them as SIP revisions, all negative declarations for the CTG categories (for which regulations were not adopted), should be included in the materials taken to notice and be included in the SIP revision submitted of the CTG RACT regulations that were adopted.			

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<b>Objective: 1.1 - Healthier Outdoor Air</b> – Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from air toxic pollutants.
<b>Sub-Objective(s): 1.1.1 - More People Breathing Cleaner Air</b> - By 2015, reduce the population-weighted ambient concentration of ozone in all monitored counties by 14% from the 2003 baseline.

Work Plan Component: Planning and Regulation. Development – Ozone NAAQS	EPA Contact(s): Melissa Linden State Contact(s): Arleen Shulman	PRC: 101A04E
Measures	Outputs for FY 2011/2013 Commitments for 2011 Funding	Status/Comment
<p>Continue to develop approvable SIPs to attain the 8-Hour ozone NAAQS.</p> <p>By 2011, improve air quality across states covered by Clean Air Interstate Rule (CAIR) to levels where 92 of the 108 areas that did not meet the standards for 8-hour ozone (as of April 2005) achieve these health-based national standards.</p> <p>By 2011, reduce annual emissions of nitrogen oxides (NO<sub>x</sub>) from electric power generation sources by 1.7 million tons below 2003 levels across states covered by CAIR.</p> <p>By 2011, reduce annual emissions of NO<sub>x</sub> from mobile sources by 3.7 million tons from the 2000 level of 11.8 million tons.</p> <p>By 2011, reduce annual emissions of volatile organic compounds from mobile sources by 1.9 million tons from the 2000 level of 7.7 million tons.</p>	<p><b>1. Activity:</b> Participate in SIP planning meetings with EPA Region 3 as scheduled.</p> <p><b>8-Hour Ozone Reasonable Available Control Technology (RACT) Plan SIP Revision deliverables:</b></p> <ol style="list-style-type: none"> <li>2. Submit draft of the revised 8-hour ozone RACT Plan by March 1, 2011.</li> <li>3. Submit a proposed 8-hour ozone RACT regulation by September 30, 2011.</li> <li>4. Continue to work with EPA towards submission of a final 1997 8-hour ozone RACT SIP.</li> </ol>	<p>1. All expected activity completed.</p> <p>2. Deliverable received on April 8, 2011.</p> <p>3. The work associated with this commitment has been carried over into the Grantee's work plan for FY2012.</p> <p>4. All expected activity completed.</p>

Pennsylvania - DEP			
Goal: 1 Clean Air & Global Climate Change - Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced. Reduce greenhouse gas intensity by enhancing partnerships with business and other sectors.			
Objective: 1.1 - Healthier Outdoor Air - Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from air toxic pollutants.			
Work Plan Component: Planning & Sub-Objectives:	EPA Contact(s): Christopher Crivello	Outputs for FY 2011/2013	PRC: 101A04E
Measures	State Contact(s): Arleen Shulman	Commitments for 2011 Funding	Status/Comment
Continue to develop approvable SIPs to attain the 8-hour ozone NAAQS.	Pittsburgh Area Ozone SIP:	This commitment no longer applies for FY 2011.	By 2011, reduce annual emissions of NO <sub>x</sub> from mobile sources by 3.7 million tons from the 2000 level of 11.8 million tons.
Deliverable:	Pittsburgh Area Ozone SIP:	This commitment no longer applies for FY 2011.	By 2011, reduce annual emissions of volatile organic compounds from mobile sources by 1.9 million tons from the 2000 level of 7.7 million tons.
Comments for 2011/2013	Submit a final attainment plan including all applicable/necessary Section 110 and Part D SIP elements within one year after EPA publishes in the Federal Register a new classification under the 1997 8-hour ozone NAAQS for the Pittsburgh-Beecher Valley nonattainment area. <sup>1</sup>	The work associated with this commitment has been carried over into the Grantee's work plan for FY2012.	If 2009 ozone season data in combination with 2007 and 2008 data show 2009 monitoring data is submitted to AQs and certified. A clean data determination will relieve the area of the attainment demonstration requirement.

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<b>Goal: 1 Clean Air &amp; Global Climate Change</b> – Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced. Reduce green house gas intensity by enhancing partnerships with business and other sectors.
<b>Objective: 1.1 - Healthier Outdoor Air</b> – Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from air toxic pollutants.
<b>Sub-Objective(s): 1.1.1 - More People Breathing Cleaner Air</b> - By 2015, reduce the population-weighted ambient concentration of ozone in all monitored counties by 14% from the 2003 baseline.

Work Plan Component: Planning and Regulation Development - Ozone NAAQS	EPA Contact(s): Maria Pino State Contact(s): Arleen Shulman	PRC: 101A04E
Measures	Outputs for FY 2011/2013 Commitments for 2011 Funding	Status/Comment
Commence the planning and implementation process necessary to attain and/or maintain the NAAQS for ozone.	<p><b>Deliverable:</b></p> <p>By no later than January 31, 2011, submit Governor's letter designating areas in Pennsylvania as attainment, nonattainment or unclassifiable for the primary and secondary ozone standards.<sup>1</sup></p> <p><sup>1</sup> On January 6, 2010, EPA proposed to strengthen the 8-hour primary ozone standard to a level within the range of 0.060-0.070 parts per million (ppm) and the secondary standard within the range of 7-15 ppm-hours. EPA proposed an accelerated schedule for designating areas for the primary ozone standard and took comment on whether to designate areas for the secondary standard on an accelerated schedule or a 2-year schedule. <b>Update:</b> EPA will issue final standards by July 2011. Therefore, the due date for this deliverable will now be in FY2012.</p>	This commitment no longer applies for FY 2011.

<p><b>Goal: 1 Clean Air &amp; Global Climate Change - Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced. Reduce greenhouse gas intensity by enhancing partnerships with business and other sectors.</b></p> <p><b>Objective: 1.1 - Healthier Outdoor Air - Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from air toxic pollutants.</b></p> <p><b>Sub-Objective(s): 1.1.1 - More People Breathing Cleaner Air - By establishing and achieving reasonable progress goals through an iterative series of implementation plans, attain natural visibility conditions in Class I areas by 2064. Visibility improvement is to be measured in deciviews.</b></p> <p><b>Work Plan Component: Planning and Regulation</b></p> <p><b>PRC: 101A04E</b></p>	<p>1. Activity: Participate in SIP planning meetings with EPA Region 3 as scheduled.</p> <p>1. All expected activity completed.</p> <p>Estableish reasonable progress goals.</p> <p>The reasonable progress goals must provide for an improvement in visibility for the most impaired days over the period of each implementation plan and ensure no degradation in visibility for the least impaired days over the same period.</p> <p>Develop a long term strategy to reduce emissions which contribute to regional haze and impair visibility.</p> <p>Determine and impose BART on eligible sources.</p> <p>Establish format and schedules for meeting requirements for reports describing progress toward the reasonable progress goals.</p> <p>Continue to work with RPs to complete the technical analyses and documentation to support states' Regional Haze SIPs.</p> <p>Continue to coordinate with FLMs on regional haze issues.</p>
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<p><b>Goal: 1 Clean Air &amp; Global Climate Change</b> – Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced. Reduce green house gas intensity by enhancing partnerships with business and other sectors.</p> <p><b>Objective: 1.1 - Healthier Outdoor Air</b> – Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from air toxic pollutants.</p> <p><b>Sub-Objective(s): 1.1.1 - More People Breathing Cleaner Air</b> - Attain and maintain the NAAQS for lead. Reduction of airborne lead emissions and deposition. Reduction of lead levels in blood introduced by breathing air borne lead or ingesting lead from deposition of lead in the food chain.</p>		
Work Plan Component: Planning and Regulation Development - Lead NAAQS	EPA Contact(s): Melissa Linden State Contact(s): Arleen Shulman	PRC: 101A04E
<b>Measures</b>	<b>Outputs for FY 2011/2013 Commitments for 2011 Funding</b>	<b>Status/Comment</b>
Commence the planning and implementation process necessary to attain and/or maintain the NAAQS for lead.	<p><b>Deliverable:</b></p> <p>By no later than December 15, 2010, submit Governor's letter designating areas in Pennsylvania as attainment, nonattainment or unclassifiable for the second round of lead designations.<sup>1</sup></p> <p><sup>1</sup> In light of the new monitoring network which will generate additional information in 2010, EPA intends to complete the lead designations in two rounds. In the first round, to be completed by October 15, 2010, EPA is designating as "nonattainment" any area that is in violation of the 2008 lead NAAQS based on data from the pre-2010 monitoring network. For all other areas, EPA is extending the deadline for designations by up to one year so that data from the newly-deployed monitors can be considered in making appropriate designation decisions. EPA will complete the second round of lead designations no later than October 15, 2011.</p>	EPA and the grantee have agreed this deliverable was completed in FY10 and no longer applies for FY 11.

Goal 1: Taking Action on Climate Change and Improving Air Quality. Reduce greenhouse gas emissions and develop adaptation strategies to address climate change, and protect and improve air quality.		Objective 1.2: Improve Air Quality. Achieve and maintain health-based air pollution standards and reduce risk from toxic air pollutants and indoor air contaminants.		Work Plan Component: Planning and Regulation		Strategic Measure	
Objectives	Strategic Measure	Output(s) for FY 2011/2013	Commitments for 2011 Funding	Status/Comment	Activity	Deliverable:	Timeline
By 2015, reduce emissions of nitrogen oxides (NOx) to 14.7 million tons per year compared to the 2009 level of 19.4 million tons emitted.	By 2015, reduce activity to attain and/or maintain the NAAQS for nitrogen dioxide.	By no later than January 22, 2011, submit Governor's letter designating areas in Pennsylvania as attainment, nonattainment or unclassifiable for the primary nitrogen dioxide standard.	The deliverable was received on December 30, 2010.	EPA is considering the need for changes to the secondary NO <sub>2</sub> standard under a separate review, final standard revision is expected by March 2012.	EPA is considering the need for changes to the secondary NO <sub>2</sub> standard under a separate review, final standard revision is expected by March 2012.		
By 2015, reduce emissions of nitrogen oxides (NOx) to 14.7 million tons per year compared to the 2009 level of 19.4 million tons emitted.	All expected activity completed.	By no later than January 22, 2011, submit Governor's letter designating areas in Pennsylvania as attainment, nonattainment or unclassifiable for the primary nitrogen dioxide standard.	The deliverable was received on December 30, 2010.	EPA is considering the need for changes to the secondary NO <sub>2</sub> standard under a separate review, final standard revision is expected by March 2012.	EPA is considering the need for changes to the secondary NO <sub>2</sub> standard under a separate review, final standard revision is expected by March 2012.		

## PENNSYLVANIA - DEP

**Goal 1: Taking Action on Climate Change and Improving Air Quality.** Reduce greenhouse gas emissions and develop adaptation strategies to address climate change, and protect and improve air quality.

<b>Objective 1.2: Improve Air Quality.</b> Achieve and maintain health-based air pollution standards and reduce risk from toxic air pollutants and indoor air contaminants		
Work Plan Component: Planning and Regulation Development - Sulfur Dioxide (SO <sub>2</sub> ) NAAQS	EPA Contact(s): Irene Shandruk State Contact(s): Arleen Shulman	PRC: 101A04E
Strategic Measure	Outputs for FY 2011/2013 Commitments for 2011 Funding	Status/Comment
By 2015, reduce emissions of sulfur dioxide (SO <sub>2</sub> ) to 7.4 million tons per year compared to the 2009 level of 13.8 million tons emitted.	<p><b>Activity:</b> Commence the planning and implementation process necessary to attain and/or maintain the NAAQS for sulfur dioxide.</p> <p><b>Deliverable:</b></p> <p>By no later than June 2, 2011, submit Governor's letter designating areas in Pennsylvania as attainment, nonattainment or unclassifiable for the primary sulfur dioxide standard.<sup>1</sup></p> <p><sup>1</sup> EPA is considering the need for changes to the secondary SO<sub>2</sub> standard under a separate review, final standard revision is expected by March 2012.</p>	All expected activity completed.  Deliverable submitted on June 28, 2011.

<p><b>Goal: 1 Clean Air &amp; Global Climate Change - Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced. Reduce greenhouse gas intensity by enhancing partnerships with business and other sectors.</b></p> <p><b>Objective: 1.1 - Healthier Outdoor Air - Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from toxic pollutants.</b></p> <p><b>Sub-Objective(s): 1.1.1 - More People Breathing Cleaner Air - By 2015, reduce the population-weighted ambient concentration of PM<sub>2.5</sub> in all monitored counties by 6% from the 2003 baseline.</b></p>	
<p><b>Work Plan Component: Planning and Implementation - PM<sub>2.5</sub> NAAQS</b></p> <p>EPA Contact(s): Marilyn Powers, Jacqueline Lewis</p>	<p><b>Outputs for FY 2011/2013</b></p> <p>Participate in nonattainment area SIP planning meetings with EPA Region 3 as scheduled.</p> <p><b>Measures</b></p> <p>Continue to develop applicable State Implementation Plans (SIPs) to attain the PM<sub>2.5</sub> NAAQS.</p> <p>As appropriate, submit redesignation requests for areas with three years of clean air quality data.</p>
<p><b>Deliverables:</b></p> <p>2. Continue to work with Allegheny County Health Department and EPA to resolve air quality issues resulting from the demand of the Clean Air Interstate Rule and local emission reduction schedules to avoid the imposition of a Federal Implementation Plan.</p> <p>1. All expected activity completed.</p>	<p>1. This work plan acknowledges that the submittal of the PM<sub>2.5</sub> SIP was delayed past its due date. On November 19, 2009, EPA issued a finding of failure to submit to Pennsylvania for the 1997 PM<sub>2.5</sub> NAAQS attainment plan for the Liberty-Clairton Nonattainment Area. Under the Clean Air Interstate Rule, this finding commenced two sanctions clocks (18-month and 24-month) and a 24-month FIP clock for EPA to issue Federal Implementation Plan (FIP).</p> <p>Update: On June 25, 2010, PA DEP submitted the SIP on behalf of ACHD. On August 5, 2010, EPA issued a completeness determination (by letter from RA Shawna Garvin to Secretary of DEP John Hanger) halting the demonstration SIP. The 24-month FIP clock runs out on November 19, 2011.</p>

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**Objective: 1.1 - Healthier Outdoor Air** – Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from air toxic pollutants.

**Sub-objective 1.1.2: Reduced Risk from Toxic Air Pollutants.**

<b>Work Plan Component :</b> Planning & Regulation Development Section 129/111(d) plans	<b>EPA Contact (s):</b> James Topsale <b>State Contact (s):</b> Krishnan Ramamurthy	<b>PRC:</b> 101A04E
<b>Measures</b>	<b>Outputs for FY 11/13 Commitments for FY2011 Funding</b>	<b>Status/Comment</b>
Implement section 112(d) standards including area source MACTs and GACTs, section 111(d) or section 129 standards, as appropriate, for major sources and area sources.	<b>Deliverable:</b>  Submit to EPA a negative declaration or a plan revision for sources subject to the Section 111(d)/129 requirements for Hospital Medical Infectious Waste Incinerators (HMIWI) on or before 10/6/2010.	EPA did not promulgate a Federal Plan for this Section 111(d)/129 source category by 9/30/11. Therefore, this commitment has been renegotiated as a part of DEP's FY 2012 Section 105 grant workplan.

On 10/6/2009, EPA promulgated revisions to the Section 111(d)/129 requirements for hospital medical and infectious waste incinerators (HMIWI). Because EPA has already approved your agency's a plan for this Section 111(d)/129 source category, the FY 2011 Section 105 work plan includes this commitment to a submit a plan revision, a negative declaration, or a request for withdrawal of EPA's plan approval, as applicable. A negative declaration may be sent if all of the designated HMIWI facilities in your jurisdiction have permanently shutdown.

Pennsylvania - DEP			
Goal: 1 Clean Air & Global Climate Change - Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced. Reduce green house gases intensity by enhancing partnerships with business and other sectors.			
Objective: I.1 - Healthier Outdoor Air - Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from toxic pollutants.			
Sub-objective I.1.2: Reduced Risk from Toxic Air Pollutants.	PRC: 101A04E	EPA Contact(s): Alice Chow Work Plan Component: Data Management NAQOS - Emission Inventories	Sub-objective I.1.2: Reduced Risk from Toxic Air Pollutants. State Contact(s): Karen Gee, Michael Rudawski Outputs for FY 11/13 Comments for FY2011 Funding Measures Status/Comment
All expected activity completed.	Activity : Submit 2009 emission inventories of criteria air pollutants as required by the AER coverting "Type A" point sources by 12/31/2010	Prepare and quality assure the 2009-2011 emission inventories and ensure timely submission.	

## PENNSYLVANIA - DEP

**Goal: 1 Clean Air & Global Climate Change** – Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced. Reduce green house gas intensity by enhancing partnerships with business and other sectors.

**Objective: 1.1 - Healthier Outdoor Air** – Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from air toxic pollutants.

**Sub-Objective(s): 1.1.1 - More People Breathing Cleaner Air**

Work Plan Component: Monitoring - NAAQS Air Monitoring	EPA Contact (s): Walter Wilkie, Pauline DeVose State Contact (s): Kirit Dalal, Nick Lazor	PRC 101A04E
Measures	Outputs for FY 11/13 Commitments for FY2011 Funding	Status/Comment
<p>Operate monitors for NAAQS pollutants, PM<sub>2.5</sub> speciation, and PAMS according to 40 CFR 58, approved monitoring plans, and/or grant agreements including QAPPs.</p> <p>Submit NAAQS pollutant data, PAMS and QA data to AQS directly or indirectly through another organization according to schedule in 40 CFR Part 58. The target data completeness rate is 75% of the potential concentration values based on the operating EPA-funded state/local monitors and their sampling schedule. Target for QA data is 75% of checks required by 40 CFR 58.</p> <p>Certify NAAQS pollutant data in AQS and provide supporting documentation according to the schedule in 40 CFR Part 58.</p> <p>Submit annual network report required by 40 CFR 58.20, by July 1 unless another schedule has been approved.</p>	<p><b>1. Activity:</b> Enter all criteria pollutant monitoring data into AIRS-AQS <b>Deliverable:</b></p> <p>2. Submit a letter certifying accuracy and reliability of CY 2010 criteria air pollutant monitoring data reported to AIRS-AQS to the Regional Administrator by 5/1/11. An electronic or hard copy of this information should also be sent to Walter Wilkie by the aforementioned date.<sup>1</sup></p>	<p>1. All expected activity completed.</p> <p>2. All expected activity completed. Submitted on May 4, 2011.</p>

<sup>1</sup> Your agency's data certification should contain all required reports and must be accompanied with a certification statement from a responsible State or local official who can indicate that (1) the ambient concentration data and the quality assurance data have been completely reported to the AQS database and (2) the ambient data are accurate to the best of his or her knowledge taking into consideration the quality assurance findings (please see 40 CFR Section 58.15(a)). It is also important to note that this information should be sent to the Regional Administrator in hard copy form while the copies sent to Walter Wilkie's attention can be sent electronically or in hard copy.

Pennsylvania - DEP		
Goal:	Sub-Objectives(s): I.I.1 - Healthier Outdoors Air - Through 2011, work with businesses and other sectors, green house gases intensity by enhancing partnerships with business and other sectors, quality standards and reduce the risk from air toxic pollutants.	Objectives: I.I - Healthier Outdoors Air - Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from air toxic pollutants.
Work Plan Component:	Sub-Objectives(s): I.I.1 - More People Breathing Cleaner Air	Sub-Objectives(s): I.I.1 - More People Breathing Cleaner Air
Measures	Outputs for FY 11/13	Comments for FY 2011 Funding
State Contact(s): Nick Lazear, Kirti Datal EPA Contact(s): Lorreta Hyden	PRC 101A04E	Status/Comment
Monitoring - NAQS Air Monitoring Work Plan Component: Sub-Objectives(s): I.I.1 - More People Breathing Cleaner Air	Deliverable: In accordance with 40 CFR Section 58.10(a), submit an annual air monitoring network plan to the EPA Regional Administrator by 7/1/2011. *	All expected activity completed. Annual air monitoring network plan submitted 8/4/2011.
Operate monitors for NAQS pollutants, PM <sub>2.5</sub> , specification, and PAMS according to 40 CFR 58, approved monitoring plans, and/or grant application, and PAMS according to 40 CFR 58, agreements including QAPPs.	Deliverable: In accordance with 40 CFR Section 58.10(a), submit an annual air monitoring network plan to the EPA Regional Administrator by 7/1/2011. *	Submit NAQS pollutant data, PAMS and QA organization according to schedule in 40 CFR Part 58. The target data completeness rate is 75% of the potential concentration values based on the operating EPA-funded state/local monitors and their sampling schedule. Target for QA data is 75% of checks required by 40 CFR 58.
Certify NAQS pollutant data in AQ's and provide supporting documentation according to Part 58.20, by July 1 unless another schedule has been approved.	Certify NAQS pollutant data in AQ's and provide supporting documentation according to Part 58.20, by July 1 unless another schedule has been approved.	Certify NAQS pollutant data in AQ's and provide supporting documentation according to Part 58.20, by July 1 unless another schedule has been approved.

## PENNSYLVANIA - DEP

**Goal: 1 Clean Air & Global Climate Change** – Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced. Reduce green house gas intensity by enhancing partnerships with business and other sectors.

**Objective: 1.1 - Healthier Outdoor Air** – Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from air toxic pollutants.

**Sub-Objective(s): Sub-Objective 1.1.2: Reduced Risk from Toxic Air Pollutants.**

Work Plan Component: Monitoring: Air Toxics Monitoring	EPA Contact (s): Andrew Hass State Contact (s): Donald Torsello, Nick Lazor	PRC 101A04E
Measures	Outputs for FY 11/13 Commitments for FY2011 Funding	Status/Comment
Where appropriate, conduct data analysis and assessment for air quality management implications in general. (Applicable to states conducting air toxics monitoring regardless of funding source.)	<b>Activity</b>  As part of the Air Toxics Monitoring Program, continue to operate an air toxic monitoring station in PA to assess general urban levels. Enter the air toxic data to AIRS-AQS.	All expected activity completed.

PENNSYLVANIA - DEP		Goal: 1 Clean Air & Global Climate Change – Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced.	Objective: 1.1 - Healthier Outdoor Air – Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from air toxic pollutants.	Sub-Objective(s): Sub-Objectives 1.1.2: Reduced Risk from Toxic Air Pollutants.
Work Plan Component:	Measures	PRC 101A04E	EPA Contact(s): Andrew Hass, Walter Wilkie, Marcia Spink	Lakes Air Deposition – Mercury Monitoring State Contact(s): Nick Lazar
Monitor for mercury to support trends studies, University in support of the mercury monitoring program/project the University is conducting on behalf of the Pennsylvania DEP.	1. The Pennsylvania DEP shall provide \$152,318 to Pennsylvania State University for mercury to support trends studies, University in support of the mercury monitoring program/project the University is conducting on behalf of the Pennsylvania DEP.	Outputs for FY 2011/2013	Commitments for FY 2011 Funding	Address TMDLs, perform source apportionment analyses, evaluate emission reduction strategies, and/or assess and characterize air emission sources.
Monitor for mercury to support trends studies, University in support of the mercury monitoring program/project the University is conducting on behalf of the Pennsylvania DEP.	1. All expected activity completed. 2. All expected activity completed. 2. The Pennsylvania DEP shall insure that the data is collected in accordance with the Commonwealth's approved Quality Management Plan (QMP), for collecting and analyzing monitoring data (or its equivalent).	Where appropriate, conduct data analysis and shall ensure that the Great Lakes Commission, the Pennsylvania DEP to the Commission to support its efforts to assess and reduce mercury deposition to the Great Lakes from air pollution sources of mercury.	3. As a member of the Great Lakes Commission, the Pennsylvania DEP shall ensure that the mercury monitoring program/project data is provided to the Commission to support its efforts to assess and reduce mercury deposition to the Great Lakes from air pollution sources of mercury.	Conducting air toxics monitoring regardless of implications in general. (Applicable to states assessing air quality management funding source.)
4. All expected activity completed. Summary submitted on 5/4/2011 and 10/7/2011	4. By 4/30/2011 and 09/30/2011, provide a summary to the EPA contacts listed describing the efforts of the mercury monitoring program/project for the prior six months. Please include a summary of the interactions and communications with the Great Lakes Commission with regard to this issue.	4. By 4/30/2011 and 09/30/2011, provide a summary to the EPA contacts mercury monitoring program/project.		

## PENNSYLVANIA - DEP

**Goal: 1 Clean Air & Global Climate Change** – Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced. Reduce green house gas intensity by enhancing partnerships with business and other sectors.

**Objective: 1.1 - Healthier Outdoor Air** – Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from air toxic pollutants.

**Sub-Objective(s): 1.1.1 - More People Breathing Cleaner Air** - By 2015, reduce the population-weighted ambient concentration of ozone in all monitored counties by 14% from the 2003 baseline. By 2015, reduce the population-weighted ambient concentration of PM<sub>2.5</sub> in all monitored counties by 6% from the 2003 baseline.

Work Plan Component: Mobile Source Outreach Project – Idling Outreach	EPA Contact(s): Patrick Egan State Contact(s): Arleen Shulman	PRC: 101A04E
Measures	Outputs for FY 2011/2013 Commitments for 2011 Funding	Status/Comment
<p>By 2011, reduce annual emissions of NO<sub>x</sub> from mobile sources by 3.7 million tons from the 2000 level of 11.8 million tons.</p> <p>By 2011, reduce annual emissions of volatile organic compounds from mobile sources by 1.9 million tons from the 2000 level of 7.7 million tons. By 2011, reduce annual emissions of fine particles from mobile sources by 134,700 tons from the 2000 level of 510,550 tons.</p>	<p><b>Activities:</b></p> <p>See the attached Project Plan</p> <p>Continue to educate the public concerning the environmental and health benefits of reduced diesel idling. Hold meetings with law enforcement officials, fleet operators, and local government representatives. Present information at fleet fairs and association meetings. Distribute idling information to municipal officials and other interested parties. Operate a web site to educate the public about idling.</p> <p>The project will be completed by September 30, 2011.</p> <p><b>Deliverables:</b></p> <p>Submit e-mails by March 31, 2011, and September 30, 2011, which provide detailed information describing the Project-related activities that occurred during the reporting period. The e-mails should be sent to Patrick Egan.</p>	<p>Deliverables received on 3/30/2011 and 10/7/2011.</p> <p>This project related to the public education concerning the environmental and health benefits of reduced diesel idling. The Department executed grant extensions with the three partners on this project during the reporting period. The partners are currently developing final reports which will be forwarded to EPA when available.</p>

<p><b>Goal: 1 Clean Air &amp; Global Climate Change</b> – Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced.</p> <p><b>Objective 1.1 - Healthier Outdoors Air</b> – Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from air toxic pollutants. <b>Objective 1.5 – Climate Change</b> – Through EPA's voluntary climate protection programs, contribute 80 million metric tons of carbon equivalent (MTCE) annually to the President's 18% greenhouse gas (GHG) intensity goal by 2012. (An additional 24 MTCE to result from the sustained growth in the climate programs are reflected in the Administration's Business-as-Usual projection for GHG intensity improvement.)</p> <p><b>Sub-Objective(s): 1.1.1 - More People Breathing Cleaner Air, 1.1.2: Reduced Risk from Toxic Air Pollutants, 1.5.1, 1.5.2, 1.5.3 Reduce GHG</b></p>	<table border="1"> <thead> <tr> <th data-bbox="549 971 802 1036">Work Plan Component/Program: General</th><th data-bbox="802 971 1034 1036">EPA Contact: Marcia Spink</th><th data-bbox="1034 971 1267 1036">State Contact (s): Dean Van Orden</th><th data-bbox="1267 971 1351 1036">PRC: All</th></tr> </thead> <tbody> <tr> <td data-bbox="549 1036 802 1101">Measures/Strategic Targets</td><td data-bbox="802 1036 1034 1101">Outputs for FY 2011/2013</td><td data-bbox="1034 1036 1267 1101">Commitments for FY 2011 Funding</td><td data-bbox="1267 1036 1351 1101">Status/Comment</td></tr> <tr> <td data-bbox="549 1101 802 1166">See the Measures/Strategic Targets throughout this work plan.</td><td data-bbox="802 1101 1034 1166">Deliverables: On March 31, 2011 and September 30, 2011, please provide estimates of the environmental benefits/outcomes from all air pollution program activities (both regulatory and voluntary) for the previous six months. E-mail to Marcia Spink and 10/7/2011.</td><td data-bbox="1034 1101 1267 1166">Deliverables received on 3/31/2011</td><td data-bbox="1267 1101 1351 1166">See the Measures/Strategic Targets throughout this work plan.</td></tr> </tbody> </table>	Work Plan Component/Program: General	EPA Contact: Marcia Spink	State Contact (s): Dean Van Orden	PRC: All	Measures/Strategic Targets	Outputs for FY 2011/2013	Commitments for FY 2011 Funding	Status/Comment	See the Measures/Strategic Targets throughout this work plan.	Deliverables: On March 31, 2011 and September 30, 2011, please provide estimates of the environmental benefits/outcomes from all air pollution program activities (both regulatory and voluntary) for the previous six months. E-mail to Marcia Spink and 10/7/2011.	Deliverables received on 3/31/2011	See the Measures/Strategic Targets throughout this work plan.	
Work Plan Component/Program: General	EPA Contact: Marcia Spink	State Contact (s): Dean Van Orden	PRC: All											
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## PENNSYLVANIA – DEP

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**Sub-Objective(s): 1.1.1 - More People Breathing Cleaner Air, 1.1.2: Reduced Risk from Toxic Air Pollutants, 1.5.1, 1.5.2, 1.5.3 Reduce GHG**

<b>Work Plan Component:</b> General Administration - Reporting Progress Under the Grant/Reporting by Exception	<b>EPA Contact(s):</b> Marcia Spink/Paula Krall <b>State Contact(s):</b> Dean Van Orden	<b>PRC:</b> All
<b>Measures/Strategic Targets</b>	<b>Outputs for FY2011/2013 (Commitments) Updated for FY2011 Funding</b>	<b>Status/Comment</b>
See the Measures/Strategic Targets throughout this work plan.	<p><b>Deliverables:</b> On March 31, 2011 and September 30, 2011, please provide the following information via e-mail to Marcia Spink and Paula Krall.</p> <p>A statement confirming that each commitment/deliverable due under this work plan during the previous six months has been submitted to EPA or entered into the applicable databases.</p> <p>For any commitment/deliverable that was not completed/submitted, please provide an explanation and the anticipated date by which the commitment deliverable will be completed/submitted. *</p> <p>* For commitments/deliverables where EPA and your agency renegotiate a new due date before the original due date has passed, the need to provide an explanation does not apply unless the renegotiated date is also missed.</p>	Deliverables received on 4/8/2011 and 10/7/2011.

Pennsylvania - DEP			
Goal: 1 Clean Air & Global Climate Change – Protect and improve the air so it is healthy to breathe and risks to human health and the environment are reduced.	Objective 1.1 - Healthier Outdoor Air – Through 2011, working with partners, protect human health and the environment by attaining and maintaining health-based air quality standards and reducing the risk from toxic pollutants. Objective 1.5 – Climate Change – Through EPA's voluntary climate protection programs, MTCCE to result from the sustained growth in the climate programs are reflected in the Administration's Business-as-Usual projection for GHG intensity (improvement).	Work Plan Component: General EPA Contact(s): Marcia Spink/Paula Krali State Contact(s): Dean Van Orden Meetings.	Sub-Objectives: 1.1.1 - More People Breathing Cleaner Air, 1.1.2: Reduced Risk from Toxic Air Pollutants, 1.5.1, 1.5.2, 1.5.3 Reduce GHG
Measures/Strategic Targets	Outputs for FY2011/2013 (Commitments)	Updated for FY2011 Funding	Status/Comment
See the Measures/Strategic Targets throughout this work plan. DEP's attendance is expected at meetings and training courses scheduled/provided by EPA necessary to implement this grant work plan's activities and meet its deliverables. Such meetings include but are not limited to: The midyear grant review meeting The annual State Air Directors meeting Training courses provided by EPA.	All activities due to date completed.		

## PENNSYLVANIA - DEP